

ABSTRACT

Methods and apparatus for a scaleable locking convention are disclosed..

According to one aspect of the present invention, a method for acquiring access to an
5 object in an object-based system includes identifying a memory address value
associated with the object, and identifying a first synchronization construct that is
suitable for use in granting access to the object. The synchronization construct is
arranged to be identified using at least part of the memory address value. The method
also includes determining when the first synchronization construct is available to be
10 acquired, *e.g.*, by a thread, and associating the first synchronization construct with the
object when the first synchronization construct is available. In one embodiment, the
first synchronization construct is a non-nestable, global lock.